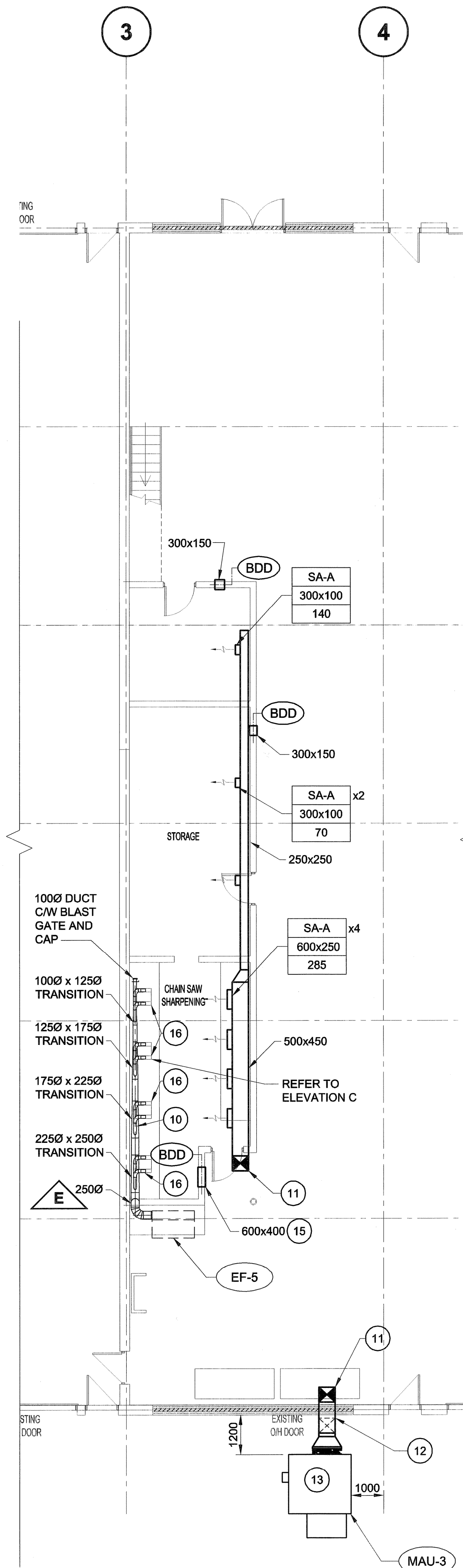
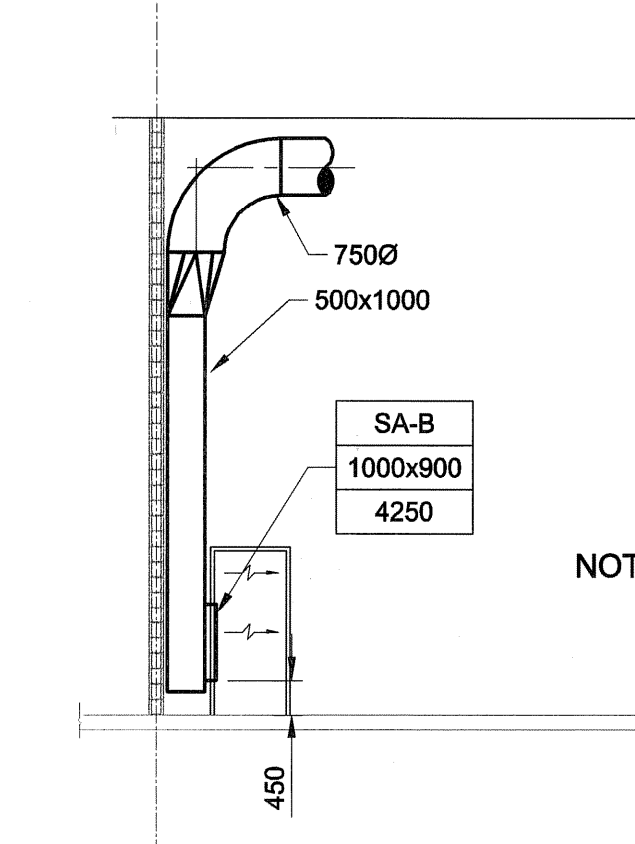


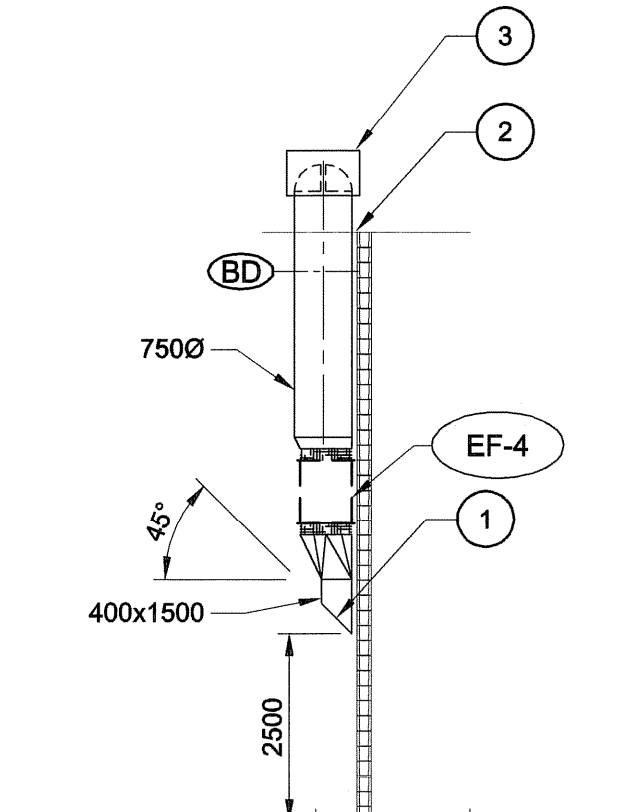
PLAN
SCALE 1:100
GARAGE VENTILATION



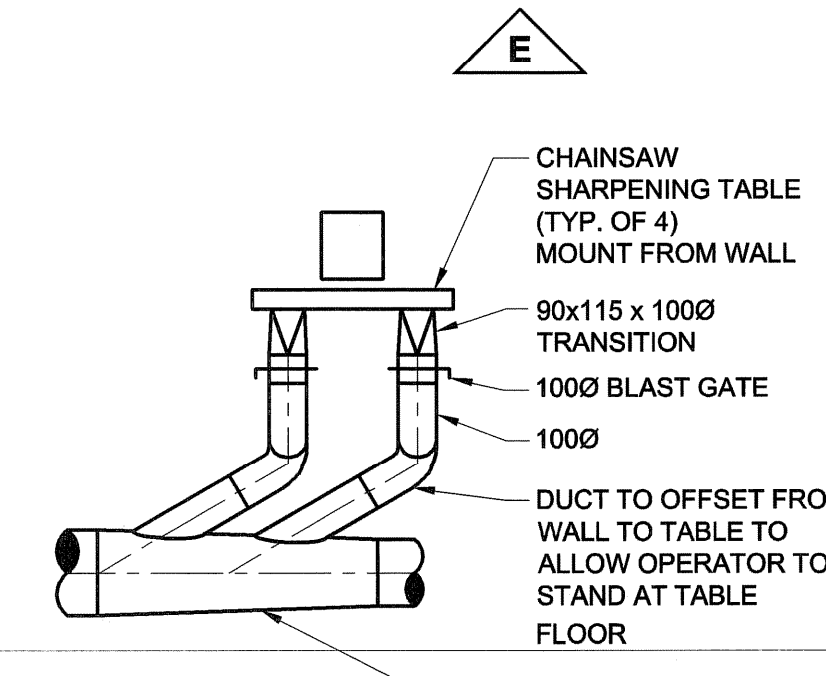
PART PLAN
SCALE 1:100
MAIN FLOOR GARAGE VENTILATION



SECTION A
SCALE 1:100
SUPPLY AIR DUCT SECTION



SECTION B
SCALE 1:100
EXHAUST AIR SYSTEM SECTION



ELEVATION C
SCALE 1:20

- NOTES :**
- PROVIDE PERFORATED GALVANIZED 18 GA SHEET METAL OVER OPENING. SHEET TO HAVE A MINIMUM OF 50% FREE AREA.
 - CURBING AND SEALING BY GENERAL CONTRACTOR.
 - DISCHARGE RING COMPLETE WITH BUTTERFLY BACKDRAFT DAMPER.
 - EXISTING MAKE-UP AIR UNIT RELOCATED TO BE RE-HUNG ABOVE NEW PLATFORM BY DIV. 15.
 - REMOVE EXISTING SERVICE PLATFORM TO ALLOW FOR INSTALLATION OF NEW MEZZANINE.
 - 1850x850 O/A DUCT UP THROUGH ROOF TO WEATHER HOOD. CURBING AND PENETRATION BY GENERAL CONTRACTOR.
 - REMOVE EXISTING EXHAUST FAN AND TURN OVER TO OWNER. REMOVE EXISTING SERVICE PLATFORM TO ALLOW FOR INSTALLATION OF NEW MEZZANINE. GENERAL CONTRACTOR TO PATCH AND REPAIR ABANDONED ROOF PENETRATION TO MATCH ADJACENT SURFACES.
 - PROVIDE 600x850 MULTI-BLADE BALANCING DAMPER.
 - PROVIDE 850x850 MULTI-BLADE BALANCING DAMPER.
 - 100Ø DUCTS UP TO GRINDER C/W BLAST GATE. TAKE-OFF FROM MAIN TO BE A WYE.
 - 500x450 S/A DUCT UP TO HIGH LEVEL.
 - 500x450 S/A DUCT DOWN TO MAKE-UP AIR HANDLING UNIT.
 - NEW MAKE-UP AIR UNIT MOUNTED ON CONCRETE PAD.
 - GAS DETECTORS TO BE MOUNTED AT HEIGHT INDICATED BY MANUFACTURER.
 - TRANSFER AIR THROUGH WALL AT HIGH LEVEL.
 - RELOCATE FOUR CHAIN GRINDERS FROM 401 PANDORA WEST SHOP. PROVIDE ALL NEW DUCTING AND FITTINGS. DUST COLLECTION DUCT FABRICATION TO MEET SMACNA -2 KPa (-8" W.C.) CLASS 2 INDUSTRIAL DUCT CONSTRUCTION STANDARDS.
- DESIGN NOTES:**
- EXHAUST EXTRACTION BASED ON 500 CU. IN. DIESEL 4 CYCLE ENGINE AT 2000 RPM WITH 538°C (1000°F) EXHAUST TEMPERATURE, PLUS 20% SAFETY FACTOR.

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NO.	REVISION/DESCRIPTION	BY	DATE
F	ISSUED FOR ADDENDUM No. 3	ALS	07/11/11
E	ISSUED FOR ADDENDUM No. 1	ALS	07/11/11
D	ISSUED FOR TENDER	ALS	07/11/02
C	ISSUED FOR FINAL REVIEW	ALS	07/10/11
B	ISSUED FOR 100% REVIEW	ALS	07/08/12
A	ISSUED FOR CLIENT REVIEW	ALS	07/08/22

SEALS

CHAINSAW SHARPENING TABLE (TYP. OF 4) MOUNT FROM WALL
90x115 x 100Ø TRANSITION
100Ø BLAST GATE
100Ø
DUCT TO OFFSET FROM WALL TO TABLE TO ALLOW OPERATOR TO STAND AT TABLE FLOOR
MAIN DUCT TRANSITION

DRAWN BY R.P. CHECKED BY - APPROVED -
DATE 2007.06.05 USER APPROVAL

CITY OF WINNIPEG
PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
CONSTRUCTION OF OFFICE/GARAGE RENOVATIONS AND STORAGE BUILDING AT 1539 WAVERLEY STREET
1539 Waverley Street, Winnipeg, MB.

SHEET TITLE
MECHANICAL
NEW CONSTRUCTION - HVAC
MAIN FLOOR GARAGE

SCALE AS NOTED PROJECT NO. 0265-395-02 SHEET NO. GAR M1.2

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1

UMA REVIEW

APEGN
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: Nov 20-07